The Host Interoperability Support Test (HIST) Result

YOKOGAWA ◆

Manufacturer: **FCI – Fluid Components International**
MANUFAC_ID: **0x01FC49**
Device Name: **ST100 Series**
DEV_TYPE: **0x0001**
DEV_REV: **0x03**
DD_REV: **0x01**
Capability Level (If supported):
CFF File Name: **010101.cff**
DD File Name (DDv4/DDv5):   **0101.ffo, 0301.sym**
DEVICE_ID: **01FC490001_____FBK_124607690**
Firmware Revision
Parameter Name:
Firmware Revision Number: **2.30 (Device Data Sheet)**

FF-569 Section	Feature	Content	Result	
3.1.1	H1 Device Address Assignment	1. Assign a permanent device address		PASS
		2. Clear a device address		
3.1.2	Configuration of Link Master Devices	1. Support configuration of Link Master parameters including: ConfiguredLinkSettings (Slot Time, Minimum Inter-PDU Delay, Max Response Delay, etc) and PrimaryLinkMasterFlag		PASS
		LAS Scheduling		
3.1.3	H1 Physical Device Tag Assignment	1. Assign a PD-Tag		PASS
		2. Clear a PD-Tag		
3.1.4	Convert Link Master to Basic Device	1. Convert Device Class to BASIC		PASS
		2. Convert Device Class to Link Master		
3.1.5	H1 Software Download	1. Execute software download		
		2. Download function blocks configuration to the device	NOT RUN*	
3.3.1	Block Tag Configuration	1. Set Block Tag name for Resource Block, Transducer Block and Function Blocks		PASS
3.3.2	Block Instantiation	1. Instantiate a block	NOT RUN*	
		2. Delete an instantiated block		
3.3.3	Multiple Capability Levels	1. Select a capability level for offline configuration		
		2. Download the function blocks configuration to the device	NOT RUN*	
3.3.4	Resource and Transducer Blocks	1. Read/Write all parameters of Resource and Transducer Blocks		PASS
3.3.5	Standard Function Blocks	1. Read/Write all parameters of all Standard Blocks and the standard portion of Enhanced Blocks		PASS
3.3.6	Enhanced Function Blocks	1. Read/Write all parameters of all Enhanced Blocks		PASS
3.3.7	Profiled Custom Function Blocks	1. Read/Write all parameters of all Profiled Custom Blocks	NOT RUN*	
3.3.8	Custom Function Blocks	1. Read/Write all parameters of all Custom Blocks		PASS
3.3.9	Configuration of scheduled control function blocks	1. Configure a distributed application included a PID closed loop control across multiple field devices without host based function blocks		PASS
3.3.10	Function Block Linking and Publication Scheduling	1. Link Function Blocks		PASS
3.3.11	Function Block Execution Scheduling	1. Schedule Function Blocks	PASS	
3.3.16	Use Views for Block Detail Reads	1. Access parameters with device Views	PASS	
3.5.1	DD Block and Parameters	1. Import a manufacturer's DD		PASS
		2. Display all the parameter labels		
3.5.9	Capability File Support	1. Import a capability file for offline configuration	PASS	
3.4.1	Process Alert Management Configuration	1. Configure device to source alert objects		PASS
3.4.2	Process Alert Handling and Confirmation	1. Simulate a Process Alert		PASS
		2. Confirm the Process Alert message (via FMS Acknowledge Service)		
3.4.3	Device Alert Management	1. Configure device to source alert objects		PASS

	Configuration				
3.4.4	Device Alert Handling and Confirmation	1. Simulate a Device Alert		**PASS**	
		2. Confirm the Device Alert message (via FMS Acknowledge Service)			
3.6.4	Data Quality Support through Host Controller Connections	1. React to statuses of good, bad, uncertain, and limited		**PASS**	
		2. React to cascade initialization and handshaking within a host controller			
-	T1.1 Fault State Handling	1. Configure fault state values	**NOT RUN***		
		2. Confirm fault state handling			
-	T1.2 Support for Remote CAS Mode	1. Configure Remote CAS strategy	**NOT RUN***		
		2. Confirm Remote CAS handling			
-	T1.3 Server Stress	1. Decrease macrocycle as short as possible		**PASS**	
-	T1.4 Backup Link Master with Multiple sub-schedules	1. Claim LAS		**PASS**	
		2. Transfer LAS			
-	T1.5 Multiple sub-schedules	1. Configure multiple sub-schedules		**PASS**	
		2. Change LAS			
-	T1.6 DD Menu & Method	1. Open DD Menu	**NOT RUN***		
		2. Execute DD Method			
-	T1.7 Residual Activity (Health Check)	1. Confirm Residual Activity is transmitted regularly		**PASS**	
-	T1.8 Bus Traffic Stress and Continuous	1. Continuous Test		**PASS**	

Final Verdict		**PASS**

NOTE1	
NOTE2	

TEST ENVIRONMENT

TEST INFO	
Site Location	HIST Laboratory at SGDC (Singapore)
Test Period(Date)	11/Nov/2013 – 09/Dec/2013
Test Officer	Michael Nueca
Supervisor	Boo Chin Thye
Device Vendor Representative	Randy Brown (randyb@fluidcomponents.com)
SYSTEM INFO	
Host Name (Revision)	Centum VP R5.03.00, PRM R3.11.00
H1 Interface Module (Revision)	ALF111 R17
Test Procedure Document Revision	Foundation ^{TM} fieldbus Interoperability Test Bed Procedures for Integrated Host CENTUM VP Rev 1
	Foundation ^{TM} fieldbus Addendum Interoperability Test Procedures for Integrated Host CENTUM VP Rev 0
HIST Report Document Number	
Host Interoperability Support Test Report	D0399 Revision 0

(*) **NOT RUN**: The unperformed test item due to the features which the device does not support.